INSTRUCTIONS FORM F12 OFF-HIGHWAY MOBILE SOURCES

Department of Environmental Quality Division of Air Quality P.O. Box 144820 Salt Lake City, UT 84114-4820

Telephone (801) 536-4000

DAQ ID For office use only.

Pt. Source ID Provide the identification number for each source.

SCC Enter the appropriate Source Classification Code (SCC). See the

General Instructions for explanation.

Mobile Source Description

Choose the appropriate category from the following:

1. Scrapers;

2. Front end loaders;

3. Shovels;

4. Bottom Dump Trucks;

5. End dump trucks;

6. Draglines;

7. Graders:

8. Bulldozers (track type);

9. Wheeled dozers;

10. Tractors:

11. Rollers:

12. Water trucks;

13. Forklifts:

14. Underground mining equipment;

15. Track excavators;

16. Sweepers;

17. Fire pump;

18. and Others (unspecified).

Number of Vehicles Enter the number of vehicles operated for each vehicle category.

Fuel Information Enter the type of fuels used, i.e., gasoline, diesel, liquified

petroleum gas (LPG), etc., and the amount used in gal. per year.

Emissions Calculate the emissions in tons per year generated from the

operation of this equipment. Provide complete calculations on

a separate sheet.

Estimate Code Provide the valid method code for quantifying actual emissions of

each pollutant. The valid method codes are listed in Table II of the General Instructions. These are the only codes which will be accepted. If the Estimate Code 8 (AP-42 factors) is used, please

provide the section number of AP-42 in the Comment column.

Emission Factor Provide the emission factor used to calculate the estimated

emissions for each pollutant.

(lb emissions/hr of operation)*

 $\underline{\text{Note}}$: Blanks do not imply zero emissions, choose most representative alternative emission factor.

	Particulate		SO ₂		NO _x		VOC		СО	
	Diesel	Gas	Diesel	Gas	Diesel	Gas	Diesel	Gas	Diesel	Gas
Track tractor	.11		.14		1.3		.12		.35	
Wheeled tractor	.14	.02	.09	.02	1.3	.43	.19	.36	3.6	9.5
Wheeled dozer	.17		.35							
Scraper	.41		.46		3.8		.28		1.3	
Grader	.06	.02	.09	.02	.71	.32	.04	.41	.15	12
Wheeled loader	.17	.03	.18	.02	1.9	.52	.25	.53	.57	16
Track loader	.06		.08		.83		.10		.20	
Off-HWY truck	.26		.45		4.2		.19		1.8	
Roller	.05	.03	.07	.02	.86	.36	.07	.61	.30	13
Misc.	.14	.03	.14	.02	1.7	.41	.15	.56	.68	17

^{*} References: AP-42 Tables II-7.1 and II-7.2

Suggested Emission Factors for LPG Fuel (lbs/1000 gals burned)*

Part.	SO ₂	NO _x	VOC	СО
5.0	.35	139.0	83.0	129.0

^{*} References: EPA- 450/4-90-003